Motion

* Change in position *relative* to a reference point
* Measure motion using speed

Speed = distance

D

time

Velocity = **speed** in a certain **direction**

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* It is important to know velocity when thinking about
  + storm systems
  + airplanes
  + sports

Instantaneous Speed

* Speed at any given point in time
* Measure using radar gun, speedometer

Average Speed

Total distance

Total time

Ex: Shrewsbury to Disney World

1258 miles – total distance Average speed = 52 mi/hr

24 hrs – total time